

## OUR THIRD ANNUAL SHOW AND TELL

GARY SKUSE, KA1NJL—RARA VICE PRESIDENT

Our August RARA meeting, scheduled for Friday August 7<sup>th</sup> at 7:00pm, will be another opportunity for you to share your newest or proudest treasures, your ingenious mobile installation or anything else radio-related that you would like to share with your fellow members. It's our third annual Show and Tell. Of course it is also a chance to see all the cool stuff everyone else has and perhaps add a thing or two to your "I gotta get that" list. It's just like when we were in grade school but the treasures are typically electronic and usually more expensive.



Everyone is invited to bring an amateur radio project or setup, your favorite receiver/scanner, or anything else that you are proud of to share with the others. This is an opportunity to show off your mobile rigs, your grab and go HF gear, a portable weather station, your APRS rig, the DStar hotspot you use to work the world with your HT or whatever it is you are currently proud of. Are you happy with your mobile installation complete with

APRS, multiple voice bands and automatic power off? Let us see it. Are you running anything digital in your vehicle besides APRS? Perhaps you have a tablet or laptop interfaced to your radios. Let's see it. Are you playing with SDR using a laptop and a USB dongle? Are you decoding ADS-B transmissions with a laptop and USB dongle? If you are I want to see that. Bring along anything you would like to show your friends so we can appreciate your creativity and long to have one of our own.

We will use the parking lot for mobile rigs and portable HF setups and we will have tables indoors for everything else. We did this twice before and the items you brought to share made me envious. They ranged from a bicycle mobile APRS rig to an innovative antenna coupler for use with a 500 foot loop to a pretty neat grab and go kit or two among a host of other neat stuff. This is certain to be fun again so I encourage everyone to participate. Either bring something to show off or come and check out the great stuff other hams are building and using.

This month's meeting is sure to have something for everyone. Please join us on Friday August 7<sup>th</sup> at 7:00pm at our new location. Sorry - I won't spoil the fun for Frank - please read the Prez Sez for details.

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# PREZ SEZ

FRANK SCHRAMM, WB2PYD—RARA PRESIDENT

It was a great day for a picnic! The annual RARA family picnic was on Saturday July 11<sup>th</sup>, and I always enjoy meeting the YL's, XYL's and harmonics of the membership. This year we even had a K9 contingent that seemed to garner the most attention – except for the food! Thanks to Ross, KC2LOC for manning the grill! And a special thanks to everyone who brought a dessert... WOW!!!

It's August already and that means we're winding down on our membership year... where does the time go? So in a few weeks you'll receive your membership renewal by e-mail, or you can get a jump on things while you're thinking about it by clicking here: <http://www.rochesterham.org/Membership-Data.aspx>

Duck Season? Rabbit Season? No, it's Nominations Season!

Nominations for the BoD are open to all Full (Licensed) members. If you would like to help implement, and perpetuate, the revolutionary changes evolving here at RARA please contact any club officer and let them know you're interested (<http://rochesterhamfest.org/Officers.htm>).

One of the "revolutionary" changes is our new meeting venue! In conjunction with our growing involvement with Scouting, we will be moving our monthly meetings to the Seneca Waterways Council, BSA Headquarters! The new meeting location is at 2320 Brighton Henrietta Town Line Rd, Rochester, NY 14623 ([Google MAP](#)). We are all very excited about working with the Scouts, and we're very appreciative of the Council to make this beautiful venue available to us!

See you there!

73 and prosperous DXing!

Frank  
WB2PYD

## Silent Key

Thomas J. Romanoski  
K2UGB  
July 14, 2015

## Silent Key

Walter G. Obenhofer  
NQ2O  
July, 2015

## CALENDAR OF EVENTS

**AUGUST 7<sup>TH</sup>** - RARA General Meeting  
7:00 PM

**AUGUST 13<sup>TH</sup>** - RARA Board of Directors  
5:30 PM RIT Engineering Hall, Room 2110



**NEW Meeting Location**

**Seneca Waterways**

**Council, BSA**

**Headquarters**

**2320 Brighton Henrietta**

**Town Line Road**



# PUBLIC SERVICE - THEY NEED YOU!

James Stefano, Jr., W2COP



This summer has been very busy for our members that have been providing radio communications support for area public service events in Monroe and surrounding counties. The fun however has only begun as we have quite a few upcoming events that will require even more Radio Amateurs! RARA particularly welcomes NEW hams who would like to help out with comms at these events. We can partner you up with an experienced OP.

First I have to send out a sincere thanks to everyone that has participated so far this year as well as for the greatly needed support from adjacent radio clubs. The organizers of these events really count on us for core logistics, status reporting and health & welfare assistance. There were about 45 hams for Tour de Cure and by the time you read this at least 15 hams per day will have turned out to cover the weekend BikeMS event around Keuka Lake. Our team captains for these events, Max Kelley-KC2SPY and Tom Sanders-KB2NCI took weeks and months to plan them including regular meetings with the organizing agency. Max subsequently received two awards from the American Diabetes Assn., "Rookie of the Year" and the "Committee member of the year". Congratulations Max for all that hard work and helping them reach their \$1M+ goal this year!

- August 5-9th, for only a couple of hours any of 5 days, is the Walnut Hill Horse Driving Competition in Pittsford. Hams head into a wooded area of the course with a judge for the cross country events and help with scoring. Hams are also the communications safety link for the carriages out of site along the obstacle course. Free lunch is provided at a very relaxing atmosphere as well as a commemorative pin at the end.
- September 12th is BikeMS:Roc at Genesee Valley Park
- September 20th is Rochester Marathon - TBD so stay-tuned, two new courses
- September 26th is Barktoberfest at the Humane Society
- September 27th is Fairport Liftbridge Regatta on the Erie Canal

Check out the Public Service page to sign-up! [http://rochesterham.org/public\\_service.htm](http://rochesterham.org/public_service.htm)

Note: Don't delay as we do have a cut-off when we reach enough volunteers for any one event, but do check your calendars before-hand.

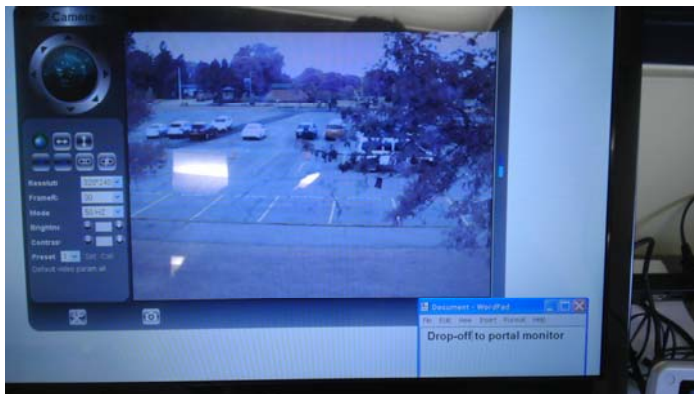
Did you hear about the 2 antennas that got married?  
The wedding was a bust but the reception was great.



# PITTSFORD MENDON RECEPTION / CONGREGATE CARE CENTER EXERCISE

Jon Dickason, N2JAC

On June 25th, Monroe County ARES/RACES participated in an exercise that simulated an incident at Ginna nuclear power plant and evacuation of residents to Pittsford Mendon High School. We've done these type of exercises before with the county, but we only had a couple days notice this time, which is a good test of our preparedness. Emergency Coordinator Jim DiTucci, N2IXD, sent out the alert asking for members to participate at the school, Red Cross headquarters, and the county Emergency Operations Center. Several of us attended the briefing in the Pittsford Mendon school library, then went to our assigned stations. Anand, KC2KPG, and N2IXD went to the EOC where we have a well-equipped radio room with a half dozen operating stations. Don, AC2CC, responded



directly to the Red Cross, where ARES has HF and VHF/UHF radio boxes ready to deploy and connect to roof mounted antennas. Jon, KS2JEK and I setup in an office in the school library where we could connect to the county installed dual band antenna. KS2JEK deployed his new radio box with mobile radio and power supply in an audio rack road case. I setup a wireless mesh network with a pan/tilt camera overlooking the drop-off area where residents would first come to be tested for radiation and sent for decontamination. FEMA personnel were there to oversee the entire operation, as well as firefighters, red cross, department of health, and several other organizations.



Our mission was to provide backup communications, so routine comms were handled by the county radio staff and their many portable radios. We tested simplex comms between all three of our locations, as well as testing repeater access to Wayne county, and checking in to the Alaska net through IRLP. We received digital messages with FLDIGI, and tracked our mobiles with APRS. We showed all our gadgets to a couple curious visitors. We're planning future disaster drills to test similar ham infrastructure between hospitals and the EOC. For more information go to [monroecountyemcomm.org](http://monroecountyemcomm.org)



# SIXTEEN SCOUTS EARN RADIO MERIT BADGE

Bill Kasperkoski, WB2SXY

"Definitely!" was the resounding answer to "Do you want to get your Ham Radio License?" as a dual-session event netted the Seneca Waterways BSA Council 16 newly qualified Radio Merit Badge recipients. Held over a two-week period, and ending on Ham Radio's Field Day, RARA's team of presenters, operators and councilors hosted training sessions and operating events that excited and informed the Boy Scouts, Cub Scouts and Venture Scouts. Ham radio operators know that the science behind their license and exam touches on many areas in the Science-Technology-Engineering-Math programs, or 'STEM', of space weather, solar influences, atmospheric, chemistry, electricity, electronics, radio-physics, computerization, voice-digital communications theory, and of course, safety, operation and regulations.



Ask a Scout, though, and STEM refers to Spaghetti, Tacos, éclairs and Marshmallows. The scouts enjoyed a pizza lunch along with their study materials, courtesy of the RARA Board of Directors. Sponsoring organization the Rochester Amateur Radio Assn has been working closely with the Seneca Waterways Council to form Ham Radio Venture Crew #73. Venture Crews are organized around hobbies or avocations; Explorer Posts are more careers based.

Steve K2SRF, John KC2TNO, Jon N2JAC, Jim W2ELF, Zach KC2VCM, and Bill WB2SXY tag-teamed the initial training sessions at the BSA HQ and drew a whopping 28 scouts including walk-ins plus some parents. Summer public service events and schedules will provide additional opportunities for Scouts who were out-of-town to complete the follow-up hands

-on operation events.

The Rochester 'Rain-Full' Field Day event did not slow the Scouts making quick QSO's on two-meter handhelds initially with Bill WB2SXY, and then graduating to much longer qualifying 20m contacts with Mike KC2NM. Radio Merit Badge Councilor Steve K2SRF ended the session with writer's cramp, filling out the many successful merit badge cards! Jay W4JPS stopped by, and demonstrated a practical use of a mobile radio talk-in, with Cub Scout son Christian, and made contacts too.

The Scout Radio Merit Badge represents about 20% of the material found in the Technician License; and of course, since Ham Radio and RARA have no age limits, we want everyone to participate, from students to engineers! RARA has identified over a hundred unit activities and 40 learning modules (some bearing CEU and college credits) that radio-physics introduces to the coed Venture students. Ham Radio licensing courses will be offered in September.

More info at:

[www.rochesterham.org](http://www.rochesterham.org)

Other public service events coming up:

[http://rochesterham.org/public\\_service.htm](http://rochesterham.org/public_service.htm)

Check out the monthly newsletter:

<http://rochesterham.org/Documents.htm>



# The 2015 XRX + Monroe County ARES/RACES Combined Field Day

Bob Karz, K2OID

Every Field Day is an adventure, but this year's event was shaping up to be more of an adventure than usual. The XRX Amateur Radio Club (formerly the Xerox ARC) has been taking part in the ARRL's annual civil defense exercise (masquerading as a contest/24 hour social event) for nearly 30 years. In a more "normal" year, we've come to rely on club members to bring the tribander and portable tower, the logging computers, wireless network, electrical distribution system and camper, and even the generator. None of these folks would be joining us this year. In addition, we would be missing some of our most experienced operators.

Among my concerns as Chair of the XRX FD effort was rain. Tents and tarps are not particularly waterproof, and that was all we would have. Ominously, the forecast was not just for rain, but for flash floods as well.

Therefore I welcomed an e-mail from Paul Conaway, KD2DO, asking if the Monroe County ARES/RACES could join us. They were expecting light participation at their Field Day as was the XRX club, so it seemed like a good match.



We started organizing early in June, and despite the missing members, the Field Day spirit in both clubs quickly became evident. On the XRX side, Bill Hopkins, AA2YV, again secured use of Nazareth College as our Field Day site. It's an excellent venue including a large field with just enough trees for our wire antennas and an adjacent parking lot. Restroom facilities were nearby, and we could claim our usual bonus for operating from a public place. Forest Shick, WA2MZG,



volunteered to manage the club's wireless network, a job that would be new to him. Peter Fournia, W2SKY, volunteered his pickup truck to bring the generator, and Harry Ramos, W2HRY, and Jared Jackson, KC2KPG volunteered to transport the portable tower, tribander and a VHF tower to the site. I had a concern about Harry because he was to return from a business trip to Japan the day before the event.

On the ARES side, Paul Conaway, KD2DO, surveyed the Nazareth parking lot to determine just what light poles to use in the parking lot to put his 160 meter loop (a new band for us). In addition, Paul brought an air cannon that proved most effective in raising wire antennas. The ARES club also brought several other antennas and rigs, and most welcome of all, tents and pop up campers.

The Saturday morning of Field Day dawned cloudy, but it was not yet raining. Maybe the dire forecast would prove wrong. Everyone was supposed to assemble at 10:00AM for set up. The XRX crew typically shows up late and has to hustle to catch up, so I was pleasantly surprised when I pulled in to see a crowd (12 of us, half from each club) already there and working including a jet lagged Harry Ramos. We needed just about everyone present to raise the 35 foot vhf tower which was already assembled and very heavy.

At about 10:30 it started to sprinkle just as Dave Carlson, KA2OQZ, arrived with another unexpected surprise – a rather

large motor home. At least we would have someplace dry for the radios and computers if the worst happened.

As the intensity of the precipitation increased, one team worked to put up some craft fair style shelters while three of us were trying to put up a rather large tarp donated by Jay Golden, K2JSG. Things just were not working out. We had doubts about how waterproof the shelters would be during the predicted deluge, and we were having difficulty stretching the tarp between trees. In desperation, we threw the tarp over the two shelters making an ugly but large and waterproof space for two rigs (see pictures). The deluge did indeed come, but those rigs stayed completely dry.



The tribander, VHF tower, and 160 meter loop were all up before the heavier rain arrived, but not so for the wire antennas, and Bill Hopkins, AA2YV, absent rain gear was thoroughly soaked. His helpers were better prepared for the weather and fared a bit better.

As set up continued we had the usual problems (a logging computer glitch, a bad piece of coax, a faulty antenna analyzer, feedline for the tribander not attached to the tower, etc.), but we were on the air and making contacts by 2:15, only 15 minutes after official start. Soon after that Anand Choudri, KC2KPG, bought lunch for everyone including two large pizzas and sandwiches....Thanks Anand!!

Our set up consisted of a VHF station in one pop up trailer, two HF stations under the tarp, one HF station in another pop up, and another HF station under the awning of the motor home. We operated Class 3A for a club operation with three HF transmitters operating simultaneously. The fourth HF station is a "Get on the Air" or GOTA station reserved for inactive or new hams and visitors. The GOTA station has its own call sign and does not change our classification. The VHF station, not being HF is likewise "free".

For the next 24 hours we continued to make contacts, and it continued to rain, sometimes heavily and sometimes lightly, but always rain. It was our wettest Field Day by far. Fortunately the only thunder and wind occurred briefly in the middle of the night with no damage.

Highlights of our operation were two contacts by Christian Stewart (age 7) and one by Natania Reid (age 9) and visits by Monroe County Assistant Public Safety Communications Director James Herbst, KC2KNJ and former RARA president Duane Fregoe, K2SI.

The rain finally ended just in time for take down at 2PM Sunday which took about 2 hours.

So how did we do? We had 28 participants. We made 794 QSOs including 29 Digital, 411 CW, and 354 Phone. We also earned 1090 bonus points for items such as 5 "natural power" (e.g. solar) QSOs, copying the Field Day Bulletin, and having young operators each make at least one QSO. We project that our total score will be 3558 points. Based on previous years, we expect to finish in the top 30%.

Most importantly, the two clubs got to know each other, learned quite a bit about each others operating practices and techniques, and had lots of (wet) fun. All agreed that we work well together, and we're looking forward to doing it again next year when hopefully it will be dryer.

Our Field Day is open to all, not just members or either club. So if you haven't experienced a Field Day or are looking for a group to join, consider being part of our next Field Day effort June 25-26, 2016.



## RARA PICNIC



## WORD SEARCH - TUBES

E E Y K Q M A G N E T R O N T B  
 L I D Z M C I N O I M R E H T C  
 T P X O M Q X E M Q C T D L M B  
 Y M H I R X H E D O Y T O T U E  
 K J K E N T R P N O E P N C U P  
 L M W M A C C T O T I E A H C O  
 J G T H U T R E R W M R N P A L  
 R C H R B O E O L A E O T G V E  
 E A Y K L R D R L E I R X K B V  
 D T R L S E X I T D E D O I D N  
 O H A Y C D F A U M W G R I D E  
 T O T S R T L A B B M E W Y R K  
 N D R T E P N P J E V P G F T F  
 E E O R E B A S E L A L T V Z L  
 P X N O N J L H A Q X M T H F K  
 Q W R N N F K V E Y E C I G A M

ANODE	FILAMENT	PLATE
AUDION	GRID	POWER
BASE	HEATER	SCREEN
BEAM	KLYSTRON	TETRODE
CATHODE	MAGIC EYE	THERMIONIC
CONTROL	MAGNETRON	THYRATRON
DIODE	MERCURY	TRIODE
ELECTRODE	NIXIE	VACUUM
ENVELOPE	PENTODE	VALVE

# RARA CALENDAR

Tim Barrett, K9VB

~ August 2015 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						<b>1</b> 10-10 Summer Contest SSB ARRL August UHF Contest NA CW QSO Party
<b>2</b> 10-10 Summer Contest SSB ARRL August UHF Contest NA CW QSO Party SARL HF Phone Contest	<b>3</b> ARS Spartan Sprint	<b>4</b>	<b>5</b>	<b>6</b> QRP Fox Hunt NCCC RTTY Sprint	<b>7</b> RARA Club Meeting 7:00pm	<b>8</b> Maryland-DC QSO Party
<b>9</b> Maryland-DC QSO Party	<b>10</b>	<b>11</b> AWA Annual Convention	<b>12</b> SIARC 7.30pm AWA Annual Convention	<b>13</b> RARA BoD Mtg 5.30pm QRP Fox Hunt NCCC RTTY Sprint AWA Annual Convention	<b>14</b> AWA Annual Convention	<b>15</b> ARRL 10GHz and Up Contest Russian District Award Contest NA QSO Party SSB AWA Annual Convention
<b>16</b> ARRL 10GHz and Up Contest Russian District Award Contest NA QSO Party SSB	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b> QRP Fox Hunt NCCC RTTY Sprint	<b>21</b>	<b>22</b> Hawaii QSO Party Ohio QSO Party
<b>23</b> Hawaii QSO Party Ohio QSO Party	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b> QRP Fox Hunt NCCC RTTY Sprint	<b>28</b>	<b>29</b> W/VE Islands QSO Party YO DX HF Contest Kansas QSO Party
<b>30</b> W/VE Islands QSO Party YO DX HF Contest Kansas QSO Party	<b>31</b>					

Print this calendar and leave it by your radio.



# NEWS FROM AREA CLUBS

## MONROE COUNTY ARES / RACES NEWS

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend.

**REMINDER:** We do not meet during the summer months of July and August.  
The next ARES Meeting will be held on: **Thursday, September 24, 2015, at 7:00 PM.**



Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

**ARES NET:** Monroe County ARES/RACES meets on the air every Thursday of the month at 8:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

**WEB:** [www.monroecountyemcomm.org](http://www.monroecountyemcomm.org)

**Severe Weather Alerts:** Summer often brings severe weather in the form of heavy rain, wind, hail, lightning and thunderstorms. If you experience any of these forms of severe weather, and especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

**NBEMS:** Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2016.

## ROCHESTER RADIO REPEATER ASSOCIATION, RRRRA

The Rochester Radio Repeater Association is on its summer break. RRRRA's next scheduled meeting will be September 18th 2015 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 pm. The September meeting program will be posted on RRRRA's web site at [www.k2RRRA.org](http://www.k2RRRA.org). RRRRA had its annual election of board members at its June meeting. The 2015-2016 officers are Bob Shewell, N2HJD President, Bob Odell, N2BZX Vice President, ED Wilkonski, KC2WM Secretary, and Joel Rossbach, N2EZV Treasurer.

Without board members RRRRA will loose its non profit status and will have to go out of business. Please consider in the future volunteering to becoming and officer of RRRRA. This club can't exist without members or officers. Help keep Rochester's only non profit club dedicated to FM repeaters alive.

## SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:00PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM with the regular meeting beginning at 7:30PM. There will not be a regular meeting in August as this is the month we have our picnic. The date, time and location for the picnic has yet to be determined. 73's Steve Benton, WB2VMR

## DRUMLINS AMATEUR RADIO CLUB

## ROCHESTER VHF GROUP

The Rochester VHF Group holds monthly meetings on the second Friday of the month between September and June. Meetings begin at 7:30 PM and are held at the Spencerport Wesleyan Church, 2653 Nichols St. (NY Route 31) in Spencerport. Visit our website [www.rvhfg.org](http://www.rvhfg.org) for details.

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting [www.rvhfg.org](http://www.rvhfg.org) or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

## ROCHESTER DX ASSOCIATION, RDXA

There are no meetings in July and August.



## XRX AMATEUR RADIO CLUB

No meetings in July and August. Stay up-to-date via <http://xarc.us>

## AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER

A.R.A.S.T is still looking for communicators for the Wineglass Marathon Sunday October 4, 2015. As was mentioned earlier this is a 26 mile run from Bath to Corning. Any one wishing to help out with this event is encouraged to contact [emergencycoordinator@arast.org](mailto:emergencycoordinator@arast.org). With over 6000 runners this year, we can use all the help we can get.

Don't forget the Elmira Hamfest coming up September 26, 2015. That's the last Saturday in the month of September. Presale tickets will be available at the September meeting of RARA at a cost of \$6.00 per ticket ( \$8.00 at the gate).

## Is There A Hamfest In Your Future?

Elmira Hamfest, September 26th

## FOR SALE

Drake R7A receiver in almost new condition, includes 4kHz filter, MS-4 speaker and manual. Owned by one owner, non-smoker. Price \$1275.00, firm. Contact Jay K2JSG at [jgolden577@rochester.rr.com](mailto:jgolden577@rochester.rr.com)

## FOR SALE

Kenwood TS-520-S, SP-520 speaker, DG-5 digital display, TV-506 6m transverter, TV-502 2m transverter, Shure 444 desk mike. Very nice condition \$600 as a set.

Realistic HTX-202, speaker / mic, 5/8 wave mag mount antenna, cigarette lighter plug/adaptor. \$75

Please call Jackie Taylor 585-334-2845

# THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

## THE RADIO AMATEUR IS:

<b>CONSIDERATE</b>	Never knowingly operating in such a way as to lessen the pleasure of others.
<b>LOYAL</b>	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
<b>PROGRESSIVE</b>	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
<b>FRIENDLY</b>	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
<b>BALANCED</b>	Radio is an avocation, never interfering with duties owed to family, job, school or community.
<b>PATRIOTIC</b>	With station and skill always ready for service to country and community.

## VISIT THE RARA WEBSITE!

Did you know that your club's website ([www.rochesterham.org](http://www.rochesterham.org)) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the *Rag* in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings





# RARA MARKETPLACE

Your commercial ad could be here! The RARA Rag can help spread the word on your business at very reasonable rates.

Contact us for details at [editor@rochesterham.org](mailto:editor@rochesterham.org).

Michele A. Jamison, MD  
Office Hours  
by Appointment

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## PROMOTE YOUR BUSINESS WITH RAG ADVERTISING

Ad size and cost:

Business Card	- 2 x 3.5	\$140
Quarter Page	- 4.2 x 3.5	\$300
	- 2 x 7.3	\$300
Half Page	- 4.2 x 7.3	\$600
	- 8.6 x 3.5	\$600

The above prices are **per year** - not per month as is typical in other publications.

Your advertisement will be seen by amateurs in Rochester, Monroe County, New York State, the United States and even the rest of the world. RAG circulation is approx. 8,000.



**Get your message through!**  
Advertise in the RaRa RAG -  
Read by over 8,000 radio enthusiasts each month.

For more information: [Editor@RochesterHam.org](mailto:Editor@RochesterHam.org)

# RARA OFFICERS

## OFFICERS

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### Awards/ Raffle Administrators

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## SEPTEMBER RAG DEADLINE

AUGUST 15, 2015

*New Picture Coming Soon*

**RARA meets at 7PM on the  
first Friday of each month;  
come join us at:**

Seneca Waterways Council, BSA Headquarters  
2320 Brighton Henrietta Town Line Rd  
Rochester, New York 14623

**Get Directions**

**Rochester Area Repeater Listing**

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